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FORESTRY SCHOOLS in the United States



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PREFACE

This booklet has been compiled by the U.S. Department of Agriculture, Forest Service, based on information submitted by individual colleges and universities.

The listing is a valuable tool for use by guidance counselors, teachers, high school students, and others seeking information on forestry curriculum offered by the individual schools. While every effort has been made to avoid errors, the Forest Service does not vouch for the completeness of the list, its accuracy, or the relative merits of the courses offered. Additional information concerning entrance requirements, detailed coursework, financial aid, scholarships, etc., may be obtained from the respective schools.

Certain schools on the list are indicated as accredited by the Society of American Foresters. Accreditation in this case is limited to professional forestry instruction. In rating a curriculum for accrediting purposes, the Society examines and evaluates the institutional status of the forestry program; the size, duties, and qualifications of the forestry faculty; the quality of instruction in supporting departments; the financial support for forestry; classroom, library, and laboratory facilities; facilities for field instruction; and professional standing of the forestry alumni.

Revised January 1974.

Slightly revised May 1975.

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Forestry Schools in the United States

DEPARTMENT OF FORESTRY AUBURN UNIVERSITY AUBURN, ALA. 36830

Degrees: Bachelor of science in forestry, bachelor of science in wood technology, and master of science and Ph.D. in several areas including economics, ecology, genetics, soils, silvics, physiology, mensuration, photogrammetry, and wood technology. Students working for the B.S.F. degree must complete a 10-week camp during the summer following the junior year. Undergraduate students in forest management, who have superior academic records for the first 2 years, may apply for admission to an honors program to be completed during the junior and senior years. Undergraduate students in forest management may elect to take an option in recreation during their last 2 years. Undergraduate students in wood technology must complete a minor of 30 quarter hours in the area of mathematics, chemistry, or engineering. An additional 10 quarter hours must be taken in each of three fields—computer programing, statistics, and the humanities. Each student will complete 3 weeks of supervised tours of wood-using industries and submit an acceptable report on the tours. A 1,400-acre school forest is available for instruction under a special use permit with the USDA Forest Service. Field research studies are conducted on four experimental forest tracts located in four of the major soil provinces of the State. Accredited by the Society of American Foresters.

SCHOOL OF FORESTRY NORTHERN ARIZONA UNIVERSITY FLAGSTAFF, ARIZ. 86001

Degrees: Bachelor of science in forestry through a new concept in undergraduate education—totally integrated instruction. During the three professional semesters the student enrolls in no other classes, instruction is continuous and uncompartmentalized, all forestry faculty are involved. No summer camp is required. Graduate study leading to a degree of master of science in forestry. The 4,000-acre school forest is just 5 miles from campus and available for instruction and research. Flagstaff is in the center of forestry

activities in the Southwest. Accredited by the Society of American Foresters.

**DEPARTMENT OF WATERSHED
MANAGEMENT
UNIVERSITY OF ARIZONA
TUCSON, ARIZ. 85721**

Degrees: Bachelor of science, master of science, and doctor of philosophy in watershed management or range management. Four-year programs include forest management, forest science, recreation resource management, watershed hydrology, general range management, range-watershed, and range science. Emphasis at the bachelor degree level is on the multiple use management of natural resources and/or preparation for graduate work. Undergraduates (except for watershed hydrology majors) are required to take a summer field course. Students in the forestry disciplines spend 7 weeks in the Santa Catalina and White Mountains; the range students tour for 3 weeks to study a variety of southwestern ranges. Graduate work is offered in the fields of forest science, range science, watershed hydrology, resource economics, and outdoor recreation. The department maintains a Santa Catalina forested watershed from which data are telemetered to the department laboratory for continuous recording. In addition to the usual departments and laboratory facilities available at a university of this size (among the 30 largest in the United States), field research is carried on throughout the State. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
UNIVERSITY OF ARKANSAS AT MONTICELLO
MONTICELLO, ARK. 71655**

Degree: Bachelor of science in forestry. There is a summer term of 10 weeks; the school forest is also available for fieldwork. Special emphasis is placed on southern forestry and preparation for private industry employment as well as government service.

**SCHOOL OF NATURAL RESOURCES
HUMBOLDT UNIVERSITY
ARCATA, CALIF. 95521**

Degrees: Six programs leading to a bachelor of science are available. In addition, master of science

programs are offered in four disciplines and a new proposed master of science in natural resources has been added to cover all programs or combinations within the school. Numerous Federal, State, and private land holdings within a 30-mile radius of the campus are used as outdoor labs. Research efforts are augmented by the location on campus of the Cooperative Fisheries Unit and two projects of the Pacific Southwest Forest and Range Experiment Station—silviculture and watershed. No summer camp requirement. The college is located in the heart of the redwood region where there are numerous logging and forest products manufacturing operations.

**DEPARTMENT OF FORESTRY AND
RESOURCE MANAGEMENT
UNIVERSITY OF CALIFORNIA, BERKELEY
BERKELEY, CALIF. 94720**

Degrees: Bachelor of science with majors in forestry, wood science and technology, and conservation of natural resources. Graduate programs lead to the degrees of master of forestry; master of science with majors in wildland resource science, range management, and wood science and technology; doctor of philosophy with majors in wildland resource science, wood science and technology, and various forestry-related sciences. Undergraduate forestry major provides optional fields of emphasis in forest management, range management, wildlife habitat management, park and recreational land management, industrial forestry, and biological sciences. Summer field program of 10 weeks in the Sierra Nevada follows the sophomore year. Six experimental forests and field stations are available for research and field study. The Forest Products Laboratory is a major research facility providing opportunities for graduate research in wood science. Accredited by the Society of American Foresters.

**COLLEGE OF FORESTRY & NATURAL
RESOURCES
COLORADO STATE UNIVERSITY
FORT COLLINS, COLO. 80521**

Degrees: Bachelor of science, master of forestry, master of science, and doctor of philosophy. Majors in forest biology, forest science, wood science and

technology, fishery biology, wildlife biology, range forest management, outdoor recreation, range ecology, and watershed management. Summer field quarter program follows sophomore year. The University's forest and range lands and natural area with their associated waters, and special use areas in Roosevelt National Forest are available for research and field studies. Laboratories are available for specialized training and research in wood sciences and products, fishery ecology and taxonomy, watershed management and snow hydrology, wildlife ecology and habitat management, fish and wildlife diseases, range ecology and nutrition, recreation planning, remote sensing, systems ecology, ultramicroscopy, natural resource administration, and public relations. Specialized training in the several curricula begins with the sophomore year. Accredited by the Society of American Foresters.

**SCHOOL OF FORESTRY AND
ENVIRONMENTAL STUDIES
YALE UNIVERSITY
NEW HAVEN, CONN. 06511**

Graduate instruction only. The master of science, the master of philosophy, and the doctor of philosophy degrees are offered by the Department of Forestry and Environmental Studies, Yale Graduate School. The master of forestry and the master of forest science degrees, both normally requiring 2 years of residence, are offered by the School of Forestry and Environmental Studies. Admission to the master of forestry program is restricted to students who have a bachelor's degree in forestry. The other programs are open to any college graduates who have the requisite undergraduate training in their fields of specialization. Women are admitted to all programs. Accredited by the Society of American Foresters.

**SCHOOL OF FOREST RESOURCES AND
CONSERVATION
UNIVERSITY OF FLORIDA
GAINESVILLE, FLA. 32601**

Degree: Bachelor of science in forestry with majors in forestry, wildlife, and forest products. Electives battery options available to undergraduates in the forestry and wildlife majors who wish to develop an

orientation in forest recreation and range ecosystem management. Two days per week of summer camp-type training with the remaining 3 days per week for on-campus courses required following the sophomore year. Qualified students may enter graduate study leading to the degree of master of science in forestry. Ph.D. programs in forest tree physiology, forest soils, forest nutrition and forest genetics are offered through cooperation with basic discipline departments in these fields. The 2,000-acre Austin Cary School Forest and other large forest areas are within short driving distance of the campus, providing field laboratories for instruction. Major equipment at the Austin Cary for instruction include a sawmill, planing mill, logging and cultural operations equipment. Other special facilities include a small wood products laboratory for instruction and research in forest products, a wildlife ecology laboratory, and a forest physiology-genetics laboratory especially suited for research and graduate training in forest physiology, forest genetics, forest pathology, forest soils and nutrition. Accredited by the Society of American Foresters.

SCHOOL OF FOREST RESOURCES UNIVERSITY OF GEORGIA ATHENS, GEORGIA 30601

Degrees: Bachelor of science in forest resources with concentrations in timber management and utilization, watershed management, fish and wildlife biology, forest recreation management, forest resources administration, and forestry sciences. Junior and senior year professional programs are conducted through the school, while lower division work may be accomplished in the College of Arts and Sciences or at another institution provided that specified pre-professional requirements are met. The degrees, master of forest resources, master of science in forest resources, and doctor of philosophy in forest resources are offered through the graduate school. Practical field instruction is required as an integral part of many courses in each area of concentration. Almost 14,000 acres of school forests for instruction and research are in close proximity. Well-equipped laboratories are available both on the campus and at field locations. Both the Bureau of Sports Fisheries Research Unit (housed in the school) and the USDA Forestry Sciences Laboratory nearby, enhance the opportunities for instruction and research, especially at the graduate level. The Georgia

Forest Research Council, other State and Federal agencies, and private enterprise all contribute financially to the research and graduate programs. Accredited by the Society of American Foresters.

**COLLEGE OF FORESTRY, WILDLIFE AND
RANGE SCIENCES
UNIVERSITY OF IDAHO
MOSCOW, IDAHO 83843**

Degrees: Bachelor of science, master of science, master of forestry, and doctor of philosophy. The lower division program and 8-week summer camp are common to all options except fish and wildlife and wood utilization. Upper division programs are offered in forest resource management, forest business management, range management, game management, fishery management, fish and game management, wood utilization chemical technology, wood utilization engineering technology, and wildland recreation. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
SOUTHERN ILLINOIS UNIVERSITY
CARBONDALE, ILL. 62901**

Degrees: Bachelor of science and master of science; doctor of philosophy program, in coordination with other science departments. Undergraduate curricula in forest resource management, forest recreation resource management, and urban forest management. Spring quarter camp for juniors and field study trip. Master's work in forest economics, forest management, recreation, silviculture, and utilization. University, Federal, and State forest lands within easy driving distance. Carbondale Research Center, USDA Forest Service, on campus cooperating in silviculture, management, and utilization; includes cooperatively supported wood products pilot plant.

**DEPARTMENT OF FORESTRY
UNIVERSITY OF ILLINOIS AT URBANA-
CHAMPAIGN
URBANA, ILL. 61801**

Degrees: Bachelor of science in forestry and master of science in forestry with emphasis in either forest

science or wood science. Following the sophomore year, a summer camp of 8 weeks in northern Minnesota is required. Eight forest properties of the University are available for instruction and research. Graduate study leading to the Ph.D. degree is available in cooperation with other departments in the graduate college. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY AND
CONSERVATION
PURDUE UNIVERSITY
LAFAYETTE, IND. 47907**

Degrees: Bachelor of science in forestry; 4-year curricula in forest production, wildlife management, conservation, and wood utilization and technology. Graduate study leading to the degree master of science in forestry. The degrees of master of science and doctor of philosophy available in areas of specialized study. Summer camp of 8 weeks following sophomore year on the Nicolet National Forest in Wisconsin. The Department has 14 woodland areas for research and study. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
IOWA STATE UNIVERSITY
AMES, IOWA 50010**

Degrees: Bachelor of science in forest management or wood products; master of science and doctor of philosophy in forest biology, economics, mensuration, pathology, and wood science. Field training is concentrated in an 8-week summer camp at the end of the freshman year and in departmentally arranged summer positions with forest-owning agencies and companies. Both camp and summer jobs are required; the camp location is changed periodically to acquaint students with forestry problems and practices nationwide. The Department of Forestry also has important and evolving administrative responsibilities for an undergraduate curriculum in resource development for outdoor recreation. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY 40506**

Degree: Bachelor of science in forestry; 4-year curriculum in forest management. An 8-week summer camp is required following the junior year. The 15,000-acre University Forest (Robinson Forest) and State and Federal forests are available for field study and research. Accredited by the Society of American Foresters.

**SCHOOL OF FORESTRY AND WILDLIFE
MANAGEMENT
LOUISIANA STATE UNIVERSITY
BATON ROUGE, LA. 70803**

Degrees: Bachelor of science in forestry; the degrees of master of science in game management, master of forestry, master of science, and doctor of philosophy are offered through the graduate school. Summer camp of 7 weeks follows the junior year. Organized field trips to forests and wood industries are part of the instruction. Accredited by the Society of American Foresters.

**DEPARTMENT OF AGRICULTURE
McNEESE STATE UNIVERSITY
LAKE CHARLES, LA. 70601**

Degree: Bachelor of science with major in forestry or wildlife management. An 8-week summer camp is required for forestry majors following the junior year. A large tract of managed forest land immediately adjacent to the camp is used for field instruction. Several other forest areas in close proximity to the university provide excellent opportunities for field study. Tours of local forest industries are also conducted.

**SCHOOL OF FORESTRY
LOUISIANA TECH UNIVERSITY
RUSTON, LA. 71270**

Degree: Bachelor of science, major in forestry, forestry-business, forestry-science, forestry-wildlife, forestry-recreation, wood utilization, or forestry-mechanization. These programs are designed to give a broad, sound professional education. Forestry majors attend

summer camp in a 20,000-acre forest for the summer quarter following the junior year. A Land Use Seminar and a Land Use Tour are conducted in conjunction with this summer program. Wood utilization majors attend a summer session following the junior year on a special program from the main campus. Seniors spend Fridays visiting plants, industrial and public forests, and attending professional forestry meetings.

**SCHOOL OF FOREST RESOURCES
UNIVERSITY OF MAINE
ORONO, MAINE 04473**

Degrees: The bachelor of science in either forestry or wildlife management is awarded on completion of one of the following curricula: General forestry, forest management, forest utilization, wildlife management, forest science, wildlife science, and wood science and technology. Graduate work leads to the degree of master of science in forestry or wildlife management and the Ph.D. in forest resources. Two off-campus training periods including one of six weeks in the field are required. The D. B. Demeritt Forest, the R. I. Ashman Forestry Camp, the Penobscot Experimental Forest of the USDA Forest Service, and State and private lands are available for field study. The School of Forest Resources also administers a 2-year program leading to an associate of science degree in forest management. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY AND WILDLIFE
MANAGEMENT
UNIVERSITY OF MASSACHUSETTS
AMHERST, MASS. 01002**

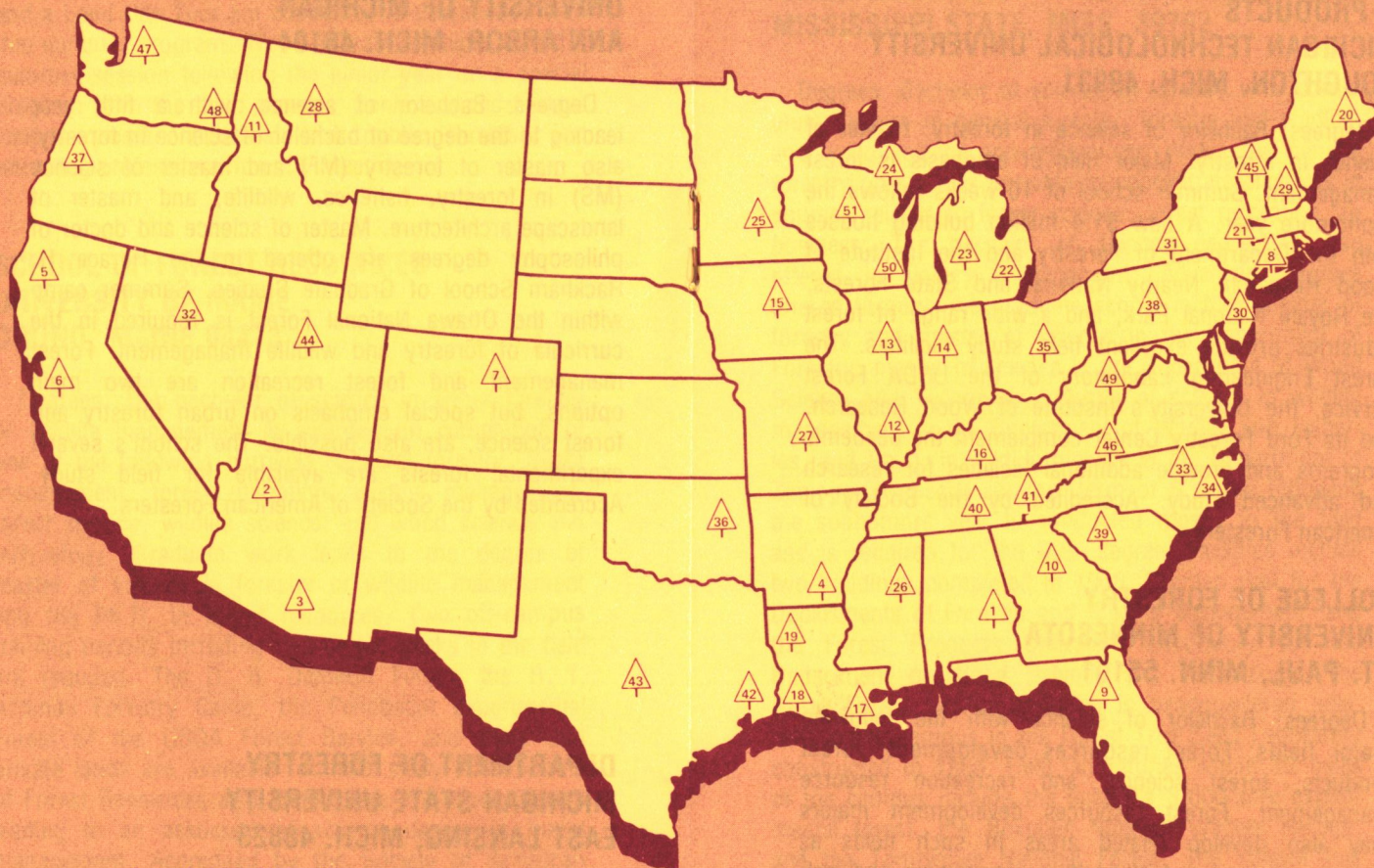
Degrees: Bachelor of science, master of science, and doctor of philosophy with concentrations in forestry, natural resources studies, wildlife biology, fisheries biology, and wood technology. Two nearby university forests, other private and publicly owned forest lands, and marine and fresh waters are available for field research and instruction programs. The Department also includes Cooperative Fishery and Wildlife Research Units and the Forest Service Environmental Forestry Unit, quartered in a modern, well equipped physical plant. Accredited by the Society of American Foresters.

**SCHOOL OF NATURAL RESOURCES
UNIVERSITY OF MICHIGAN
ANN ARBOR, MICH. 48104**

Degrees: Bachelor of science, with a fifth year leading to the degree of bachelor of science in forestry; also master of forestry (MF) and master of science (MS) in forestry, fisheries, wildlife, and master of landscape architecture. Master of science and doctor of philosophy degrees are offered in the Horace H. Rackham School of Graduate Studies. Summer camp within the Ottawa National Forest is required in the curricula of forestry and wildlife management. Forest management and forest recreation are two main options, but special emphasis on urban forestry and forest science, are also possible. The school's several experimental forests are available for field study. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
MICHIGAN STATE UNIVERSITY
EAST LANSING, MICH. 48823**

Degrees: Bachelor of science with a major in forestry, master of science, and doctor of philosophy. The Department of Forestry undergraduate program, based on 4 academic years of study, is designed to provide broad professional training. Provision for a block of elective courses permits students to study in fields of general interest or to concentrate on some particular aspect of forestry such as business administration, timber production, wildlife management, wood utilization, watershed management, urban forestry, forestry recreation, or forestry-related sciences. A new \$4 million building, with unsurpassed facilities for forestry instruction and research, has been occupied since 1966. Campus woodlands and 8,000 acres of forest lands located throughout the State are available both for undergraduate and graduate study. Other related departments offering undergraduate and graduate programs are fisheries and wildlife, park and recreation resources, and resource development. Accredited by the Society of American Foresters.



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|--|---|
| 1. Auburn University | 27. University of Missouri |
| 2. Northern Arizona University | 28. University of Montana |
| 3. University of Arizona | 29. University of New Hampshire |
| 4. University of Arkansas at Monticello | 30. Rutgers University |
| 5. Humboldt State University | 31. State University of New York |
| 6. University of California | 32. University of Nevada |
| 7. Colorado State University | 33. Duke University |
| 8. Yale University | 34. North Carolina State University |
| 9. University of Florida | 35. Ohio State University |
| 10. University of Georgia | 36. Oklahoma State University |
| 11. University of Idaho | 37. Oregon State University |
| 12. Southern Illinois University | 38. The Pennsylvania State University |
| 13. University of Illinois at Urbana-Champaign | 39. Clemson University |
| 14. Purdue University | 40. The University of the South |
| 15. Iowa State University | 41. The University of Tennessee |
| 16. University of Kentucky | 42. Stephen F. Austin State University |
| 17. Louisiana State University | 43. Texas A&M University |
| 18. McNeese State University | 44. Utah State University |
| 19. Louisiana Tech University | 45. The University of Vermont |
| 20. University of Maine | 46. Virginia Polytechnic Institute and State University |
| 21. University of Massachusetts | 47. University of Washington |
| 22. University of Michigan | 48. Washington State University |
| 23. Michigan State University | 49. West Virginia University |
| 24. Michigan Technological University | 50. University of Wisconsin, Madison |
| 25. University of Minnesota | 51. University of Wisconsin, Stevens Point |
| 26. Mississippi State University | |

**SCHOOL OF FORESTRY AND WOOD
PRODUCTS
MICHIGAN TECHNOLOGICAL UNIVERSITY
HOUGHTON, MICH. 49931**

Degrees: Bachelor of science in forestry, master of science in forestry. Major field of emphasis is forest management. Summer school of 10 weeks follows the sophomore year. A new \$1.4 million building houses both the Department of Forestry and the Institute of Wood Research. Nearby National and State Forests, Isle Royale National Park, and a wide range of forest industries provide excellent field study facilities. The Forest Engineering Laboratory of the USDA Forest Service, the University's Institute of Wood Research, and its Ford Forestry Center complement the academic programs and provide additional facilities for research and advanced study. Accredited by the Society of American Foresters.

**COLLEGE OF FORESTRY
UNIVERSITY OF MINNESOTA
ST. PAUL, MINN. 55101**

Degrees: Bachelor of science with the following major fields: Forest resources development, forest products, forest science, and recreation resource management. Forest resources development majors may also develop related areas in such fields as biology, ecology and silviculture, economics and policy, hydrology, management and administration, measurement and quantitative analysis, range and wildlife, recreation, urban forestry, and wood and fiber products. Forest products majors will complete their program in one of the following specializations: Manufactured housing, pulp and paper technology, marketing, or wood science and technology. Forest science majors may also complete options in either the social science area or the natural science area. Graduate study leading to the degrees of master of forestry, master of science, and doctor of philosophy is offered in cooperation with the Graduate School. Summer session of 4 weeks at the Lake Itasca Forestry and Biological Station follows the sophomore year for majors in the forest resources development and forest science curriculums. Students in the forest resources development curriculum also spend the fall or spring quarter of their senior year at the Cloquet Forestry Center. Accredited by the Society of American Foresters.

**SCHOOL OF FOREST RESOURCES
MISSISSIPPI STATE UNIVERSITY
MISSISSIPPI STATE, MISS. 39762**

Degrees: Bachelor of science in forestry with curriculum options in general forestry, forestry and wildlife, and wood science and technology. Within the general forestry option it is possible to concentrate electives in courses related to forest science, forest recreation, or business. The bachelor of science degree is also offered in fishery management. Advanced degrees offered through the graduate school include master of forestry and master of science in the Department of Forestry, master of science in the Department of Wood Science and Technology, master of science in wildlife management in the Department of Wildlife and Fisheries, and Ph.D. in wildlife biology in the Department of Zoology. A special summer term of 6 weeks following the sophomore year is conducted mostly in the field and is required for the B.S. degree. Facilities include two buildings completed in 1966, Dorman Hall for the Departments of Forestry and Wildlife Management, and the Forest Products Utilization Laboratory for the Department of Wood Science and Technology. The USDA Forest Service research is headquartered adjacent to the campus in the Forest Tree Seed Laboratory constructed in 1968. Field laboratories within 30 miles of the campus include the school's 8,000-acre experimental forest, the Noxubee National Wildlife Refuge, and the Tombigbee National Forest. The school also owns a 1,500-acre forest in northeastern Mississippi. Accredited by the Society of American Foresters.

**SCHOOL OF FORESTRY, FISHERIES,
AND WILDLIFE
UNIVERSITY OF MISSOURI
COLUMBIA, MO. 65201**

Degrees: Bachelor of science in forestry, fisheries, and wildlife. Master of science and Ph.D. degrees also offered with majors in these areas. Curricula in five fields currently offered at undergraduate level. These fields include: Fisheries and wildlife, forest management, forest science and specialization, wood products, and recreation and urban forestry. A six week summer field session is required for students in all but fisheries and wildlife field. The University Forest, the Ashland Wildlife Area, the Schnabel Tract, and other field facilities are available for

education at both the graduate and undergraduate level and for research. Accredited by the Society of American Foresters.

**SCHOOL OF FORESTRY
UNIVERSITY OF MONTANA
MISSOULA, MONT. 59801**

Degrees: Bachelor of science in forestry and bachelor of science in resource conservation. Undergraduate curriculum emphases: Forest business, timber, range, recreation, land-use planning, wildlife and watershed management. Graduate work leads to the degrees of master of forestry, master of science in forestry, master of science in resource conservation, master of resources administration, master of science in wildlife biology. The degree of doctor of philosophy is offered in forestry and plant science. No summer camp. Two full summers of approved field experience are required for graduation. Research studies on the 27,000-acre school forest are in cooperation with State, Federal, and private agencies. Accredited by the Society of American Foresters.

**FORESTRY PROGRAM
UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N.H. 03824**

Degrees: Bachelor of science in forestry and wildlife management. Graduate work leading to a master of science in forestry or in wildlife management, and an interdepartmental Ph.D. program in genetics. Strong affiliated programs in forest hydrology and resource economics. Undergraduate field work on 2,200 acres of university woodlands on campus. June field session for undergraduates, but no summer camp. Forest and watershed research program cooperating with Northeastern Forest Experiment Station personnel headquartered at Durham, and with other research agencies. Accredited by the Society of American Foresters.

**FORESTRY SECTION, COOK COLLEGE
RUTGERS, THE STATE UNIVERSITY
NEW BRUNSWICK, NEW JERSEY 08903**

Degree: Bachelor of science with major in forestry or wildlife biology. The undergraduate curricula stress broad and basic preparation for graduate work and

professional careers in natural resources management, forestry, wildlife management and related fields. Graduate program available in wildlife ecology. Three-week forestry summer field camp on college forest adjacent to Stokes State Forest follows sophomore year. Helyar and Hutcheson Forests and other college woodlands on or near campus available for field instruction and research. The wildlife option meets the educational requirements of The Wildlife Society, and the forestry curriculum is approved by the Society of American Foresters as an affiliated institution.

**SCHOOL OF ENVIRONMENTAL
AND RESOURCE MANAGEMENT
STATE UNIVERSITY OF NEW YORK
COLLEGE OF ENVIRONMENTAL SCIENCE AND
FORESTRY
SYRACUSE, NEW YORK 12310**

Degrees: Degrees from the associate to the doctoral level are offered in the five schools comprising the college: Biology, chemistry and ecology; environmental and resource engineering; environmental and resource management; landscape architecture; and forest technology. Options or course concentrations include wildlife biology, botany and pathology, entomology, zoology, measurements, resource planning and development, forest administration, applied biology, forest recreation, conservation, world forestry, wood science, production engineering, materials marketing, wood anatomy, biochemistry, wood and polymer chemistry, paper science, paper engineering, and others. Summer session of 5 weeks follows the sophomore year for forest resources and forest biology majors. Students majoring in paper science and engineering and wood products engineering are also required to have summer work experience in their field following the junior year. Graduate programs are available in the following departments or schools: Botany and pathology, chemistry, economics, entomology, management, zoology, landscape architecture, paper science and engineering, silviculture, and wood products engineering. Interdisciplinary graduate study programs are available in world forestry, water resources, organic materials science. The college has six demonstration and research forests totaling 25,000 acres used as environmental laboratories. Several distinguished research institutes are located on the main campus and field campuses,

including a unit of the U.S. Forest Service's Northeast Forest Experiment Station. Accredited by the Society of American Foresters.

**DIVISION OF RENEWABLE NATURAL
RESOURCES
UNIVERSITY OF NEVADA
RENO, NEVADA 89507**

Degrees: Bachelor of science with options in forestry, range management, recreation area management, watershed management, wildlife management, and wildland conservation. Graduate work leading to a master of science available in all of the above options. Ph.D. degree available in hydrology. No summer camp. One summer of approved field experience or equivalent is required for graduation. Close proximity of public lands provides ample opportunity for field instruction and demonstration.

**SCHOOL OF FORESTRY AND
ENVIRONMENTAL STUDIES
DUKE UNIVERSITY
DURHAM, N.C. 27706**

Graduate curricula only. Degree programs are offered in the following fields: Biological science—forest ecology, forest entomology, forest pathology, tree physiology, dendrology, wood anatomy; forest administration—forest management, forest economics, business management, forest protection; environmental science—forest hydrology, forest meteorology, forest soils; and quantitative analysis—biometry, forest measurements operations research. The Duke Forest (8,500 acres) is adjacent to the campus. A phytotron with 40 plant growth chambers capable of reproducing climatic conditions ranging from the tropical to arctic adjoins the school building. Other facilities include a mobile meteorological laboratory, and a computer terminal with access to an IBM system 360 Model 165 Digital Computer. Degrees: master of forestry, master of arts, master of science, doctor of forestry, and doctor of philosophy. Programs of study at the master's level are 2 to 5 semesters in duration, depending on the student's previous training. Doctoral studies ordinarily require 2 years of residence beyond the Master's degree. Women are admitted to all programs. Accredited by the Society of American Foresters.

**SCHOOL OF FOREST RESOURCES
NORTH CAROLINA STATE UNIVERSITY
RALEIGH, N.C. 27607**

Degrees: Bachelor of science in forestry, natural resources recreation management and recreation and park administration, wood science and technology, pulp and paper science and technology, and conservation. Graduate study leading to master of science in forestry, master of science in wood and paper science, and doctor of philosophy. Graduate programs available in forestry, ecology, economics, entomology, genetics, influences, management, mensuration, pathology, physiology, recreation, regeneration, silviculture, soils, and taxonomy; in wood and paper science—atomy, gluing, marketing, operations analysis, pulp and paper chemistry, wood moisture relations, wood and fiber mechanics, wood chemistry, and wood physics. Summer camp in forestry and summer practicum in wood science and technology follows sophomore year. Summer internship for recreation majors is required following junior year. Five demonstration and research forests totaling over 80,000 acres. Accredited by the Society of American Foresters.

**DIVISION-DEPARTMENT OF FORESTRY
SCHOOL OF NATURAL RESOURCES
OHIO STATE UNIVERSITY
COLUMBUS, OHIO 43210**

Degrees: Bachelor of science in natural resources with a major in forest industrial management, forest resource management or forest science. Master of science in natural resources with a major in forest science. Interdisciplinary doctor of philosophy in cooperation with the Departments of Agronomy, Botany or Genetics. The forest industrial management and the forest resource management programs prepare students (1) for mid- and corporate-management positions in the wood-using industries or (2) for management of the forest resource with industry or public agencies. Both programs emphasize the economics-business-systems analysis approach to management. The undergraduate forest science program prepares students for graduate study in selected facets of forest biology. The graduate programs lead to a career as a research scientist and/or teacher in forest ecology, forest

genetics, forest soils and tree nutrition, or tree physiology. Resident instruction facilities include: (1) a new building on the Ohio State University campus and the 900-acre Barneby Center for Environmental Studies, 30 miles south of Columbus. Research facilities are located at the Ohio Agricultural Research and Development Center, Wooster, Ohio; and include research library, computer center, research laboratories, greenhouses, growth chambers, forest nursery, Sequest Arboretum and experimental plantations and forests.

DEPARTMENT OF FORESTRY OKLAHOMA STATE UNIVERSITY STILLWATER, OKLAHOMA 74074

Degrees: Bachelor of science in forestry, 144 semester hours, including a summer camp usually out of State. Options: Forest management; forest recreation; forest business; forest science; and urban forestry. Graduate study: Master of science degree requires 30 semester hours and original research and thesis. Subject areas include forest ecology, forest economics, forest genetics, forest management, forest recreation, silviculture and forest soils. Accredited by the Society of American Foresters.

SCHOOL OF FORESTRY OREGON STATE UNIVERSITY CORVALLIS, OREG. 97331

Degrees: Bachelor of science with majors in forest engineering, forest management, and forest products. Forest engineering also offers a 5-year program in cooperation with civil engineering; the forest management curriculum offers options in forest science, administration, business, and forest recreation; in forest products, options are offered in wood science and wood industry management. Programs requiring a fifth year may be arranged to permit qualifying for (1) second bachelor degrees in forestry curricula and in science, business, and engineering, or (2) a master of business administration degree in business and technology. Graduate work leads to a master of forestry, master of science, and doctor of philosophy degrees in the three departments. At least 6 months of approved field or industrial employment are required before

graduation with a bachelor's degree. There is no summer camp. The 14,000-acre school forests, various State, Federal, and private forests, and many wood-industry plants are available for instruction, research, and employment. The school's Forest Research Laboratory with its forest management, engineering, and products divisions, and the USDA Forest Service Forestry Sciences Laboratory offer specialized research facilities. Accredited by the Society of American Foresters.

SCHOOL OF FOREST RESOURCES THE PENNSYLVANIA STATE UNIVERSITY UNIVERSITY PARK, PA. 16802

Degrees: Bachelor of science with a major in forest science or wood science; master of forestry, master of science in forest resources, and doctor of philosophy in forest resources. Areas of graduate specialization include biometrics, recreation, timber management, hydrology, wildlife management, ecology, silviculture, genetics, physiology, wood rheology, drying, adhesives, wood anatomy, wood chemistry, and industrial operations analysis. No summer camp, but fall term of junior year includes field practicums in forest mensuration, protection, and taxonomy. The 6,500-acre University Experimental Forest, the farm woodlands, and adjacent State forests and game lands are available for field study and research. The fully-equipped Forestry Research Laboratory with greenhouse was dedicated in 1967. Accredited by the Society of American Foresters.

DEPARTMENT OF FORESTRY CLEMSON UNIVERSITY CLEMSON, S.C. 29631

Degrees: Bachelor of science in forestry with major in forest management. Master of science in forestry and master of forestry degrees with majors in forest management or wood utilization are offered in the graduate school. Summer camp of 9 weeks following sophomore year for forest management majors. The 18,000-acre Clemson Forest adjacent to the campus and owned by the university, supports various forest types and stands and is used extensively for teaching and research. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
THE UNIVERSITY OF THE SOUTH
SEWANEE, TENN. 37375**

Degree: Bachelor of science in forestry. No summer camp required since the university's 10,000-acre hardwood forest is easily accessible for study and work during the academic year. Students required to spend 2 summers in practical forestry work. Strong emphasis on preparation for graduate school. Sewanee Research Project of the Southern Forest Experiment Station, USDA Forest Service, is headquartered in adjacent silviculture building. Facilities include a forest soils laboratory.

**DEPARTMENT OF FORESTRY
THE UNIVERSITY OF TENNESSEE
KNOXVILLE, TENN. 37916**

Degrees: Bachelor of science in forestry with wide latitude through electives for some specialization in forest resource management, forest economics, wildlife management, and outdoor recreation. Master of science with a major in forestry in several areas of specialization including forest economics, forest management, recreation, silviculture and tree improvement, and genetics, and a master of science with a major in wildlife management. A 10-week summer camp follows the junior year. The university has 21,000 acres of forest land available to the department for instructional uses, demonstration, and research. The great Smoky Mountains National Park, National Forests, TVA properties, and extensive well-managed private holdings located nearby offer additional opportunities for instruction and research. Forest types available for study range from those of the Boreal Forest to southern pines. Accredited by the Society of American Foresters.

**SCHOOL OF FORESTRY
STEPHEN F. AUSTIN STATE UNIVERSITY
NACOGDOCHES, TEX. 75961**

Degrees: Bachelor of science in forestry (B.S.F.) with options in forest management, forest recreation management, forest game management, forest range management, city forestry, wood science, and environ-

mental management. A master of forestry is offered in forest management, silviculture, recreation, entomology, pathology, soils, taxonomy, wood technology, watershed management, biometrics, fire technology, and economics. Graduate masters (M.F., M.S.F.) programs are available for candidates with undergraduate degrees in forestry and in fields other than forestry. The Ph.D. in forestry is jointly offered. A summer field program of 6 weeks in the Sabine National Forest follows the sophomore year. Western silviculture field trips are offered annually and tropical studies in Honduras periodically. The Stephen F. Austin and San Jacinto Experimental Forests of the Southern Forest Experiment Station, USDA Forest Service, four National Forests, and industrial lands are also available for year-round field study and research. The S.F.A Forestry Center, covering a square block, contains Forestry Hall, Forestry Laboratories Building, Forest Laboratory Annex Building, dry kiln, growth chamber, tree nursery, and greenhouses. A U.S. Forest Service Wildlife Habitat and Silviculture Laboratory in which researchers of the Southern Forest Experiment Station, the U.S. Bureau of Sport Fisheries and Wildlife, and the Texas Parks and Wildlife Department are headquartered, is in the SFA Forestry Center. Accredited by the Society of American Foresters.

**DEPARTMENT OF FOREST SCIENCE
TEXAS A&M UNIVERSITY
COLLEGE STATION, TEXAS 77843**

Degrees: Bachelor of science in forestry with options in forest resource management and wood science and technology. Graduate study in forest ecology, forest economics, forest engineering (in cooperation with Departments of Agricultural Engineering and Civil Engineering), forest soils, forest genetics, forest pathology, forest entomology, wood chemistry, silviculture and wood technology leading to master of science and doctor of philosophy degrees. Forestry students may elect an interdisciplinary program of Natural Resource Development leading to a master of agriculture degree. The Department of Forest Science is a part of the School of Natural Biosciences which includes the Department of Recreation and Parks, Department of Range Science, and Department of Wildlife and Fisheries Science. A forest research laboratory was completed and occupied in 1972. New office and teaching facilities have been recently completed. Indus-

trial, State Forest and National Forest lands are conveniently available for class use through agreements with their owners. A wide variety of wood-using industries are used for field trip and class study.

COLLEGE OF NATURAL RESOURCES UTAH STATE UNIVERSITY LOGAN, UTAH 84321

Degrees: Bachelor of science in forest science, range science, or wildlife science. The Department of Forest Science offers five options—forest management, forest recreation, forest watershed management, outdoor recreation, and watershed science. The Department of Range Science offers special programs in general range management, forest range management, and range watershed management. The Department of Wildlife Science offers options in game management and fisheries management. Additional work may lead to the degree of master of science, master of forestry, or Ph.D. Emphasis is on training for employment with public land and resource managing agencies. Summer camp, required in certain options, follows the sophomore year. College owns and leases 2,500 acres of forest land near summer camp; 4,000 acres of experimental range in southwestern Utah. Accredited by the Society of American Foresters.

DEPARTMENT OF FORESTRY THE UNIVERSITY OF VERMONT BURLINGTON, VT. 05401

Degrees: Bachelor of science in forestry with options in forest management and wildlife management. A master of science in forestry is offered by the department through the graduate college. Summer camp of 8 weeks follows the sophomore year. University forests of 1,100 acres, the 20,000-acre Mount Mansfield State Forest, and the Green Mountain National Forest of the USDA Forest Service are available for field study. Graduate programs are available in the Department of Forestry and in cooperation with other departments of the College of Agriculture and the Northeastern Forest Experiment Station Research project headquartered in Burlington. Accredited by the Society of American Foresters.

**DIVISION OF FORESTRY AND WILDLIFE
RESOURCES
VIRGINIA POLYTECHNIC INSTITUTE & STATE
UNIVERSITY
BLACKSBURG, VA. 24061**

The forestry and wildlife program offers professional training in the management of the natural resources of wildland areas. It provides a broad background in the basic sciences, with the opportunity to concentrate in forest resource management, forest wildlife management, fisheries science, forest products utilization, outdoor recreation and environmental conservation. A special program in biometrics is also available. Graduate work leading to the master of science and Ph.D. degrees is offered in wildlife and fisheries, biology, forest management and economics, biometrics, wood science, and forest biology/silviculture. The master of science and Ph.D. degrees in wildlife management and fisheries science are offered in cooperation with the Virginia Cooperative Wildlife Research Unit, the Cooperative Fishery Unit, and the Biology Department. Accredited by the Society of American Foresters.

**COLLEGE OF FOREST RESOURCES
UNIVERSITY OF WASHINGTON
SEATTLE, WASH. 98195**

Degrees: Bachelor of science in forest resources with concentration in forest management, forest engineering, wood and fiber science, wildlife science, pulp and paper technology, and outdoor recreation; within each area many individual variations of course work are possible. An undergraduate honors program and undergraduate research participation are open to selected students. Graduate studies lead to the master of forest resources, master of science, and doctor of philosophy degrees in the forest resources sciences—including silvics; cellulose, lignin, and natural product chemistry; forest soils; tree nutrition; forest tree genetics; forest ecology; forest meteorology; forest fire sciences; forest hydrology; wildlife biology; tree physiology; forest pathology; physical and chemical properties of fibers; physics of wood and fiber composites; biomathematics; forest economics; polymer science; forest influences; mass and energy transport in living systems; wood and plant anatomy; and forest zoology; in forest resources technology—including biometrics;

forest fire technology; pulp and paper technology; wood processing technology; wood adhesion and gluing process technology; photogrammetry; mensuration; wood preservation, and permeability; and wood-liquid relations; in forest resources production—including cost analysis and production; forest economics; forest land management; economics of the forest products industries; forest policy and planning; forest engineering; operations research and quality control; systems analysis; silviculture; watershed management; timber harvesting; environmental quality; wood quality, and tropical forests; and in forest resources conservation—including outdoor recreation; social and esthetic aspects of forest recreation; natural history; recreation management; soil and water conservation; wildlife conservation; wildlife biology; game management; habitat management; history of forest conservation; wildland management; wildland interpretation; and forest history and policy. Many of the programs include field classes and studies in a number of the college's demonstration forests. Forest engineering students also spend the last quarter of the senior year in the field. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY AND RANGE
MANAGEMENT
WASHINGTON STATE UNIVERSITY
PULLMAN, WASH. 99163**

Degrees: Bachelor of science in forest management and in range ecology; master of science in forestry and in range ecology. Undergraduate curricula provide 20 to 30 semester hours of electives, allowing some specialization. Examples in either forestry or range: Forest management, range management, biology, business, conservation, physical science, recreation, soils, wildlife habitat, and a separate curriculum in recreation. Others are available to meet individual needs. A program of professionally integrated work is required in lieu of summer camp. Master of science degree work is available in many specializations, such as silviculture, watershed, entomology, pathology, economics, administration, mensuration and statistics, wood science, range ecology, range plant physiology, recreation, genecology, soils, and environmental biology. Accredited by the Society of American Foresters.

**DIVISION OF FORESTRY
WEST VIRGINIA UNIVERSITY
MORGANTOWN, W. VA. 26506**

Degrees: Bachelor of science in forestry with a major in forest management or wood industry; bachelor of science in wood science, and bachelor of science with a major in wildlife management, forest science, recreation resources management, or recreation. Summer field practice of 6 weeks follows the junior year of curricula leading to the degree of bachelor of science in forestry.

Graduate programs in the Division of Forestry and in cooperation with the Division of Agriculture, College of Engineering, and College of Commerce, are available in forest management, silvics, silviculture, mensuration, photogrammetry, forest genetics, forest pathology, forest entomology, wood science and technology, wood industry administration, forest economics, forest engineering, timber engineering, wildlife management, watershed management, and recreation. Emphasis is given to the management and utilization of hardwood forests, lands, and products. Six hardwood forests covering 14,000 acres owned or managed under agreement by the Division of Forestry. Accredited by the Society of American Foresters.

**DEPARTMENT OF FORESTRY
UNIVERSITY OF WISCONSIN, MADISON
MADISON, WIS. 53706**

Forestry graduate education, extension and research have a history of over 40 years on the Madison campus. An undergraduate major was implemented in 1968 with an initial graduating class in 1971. The department emphasizes preparation at the bachelor of science level for professional forest-resource management careers or for advanced graduate study in either the biological or managerial sciences. The master of science and doctor of philosophy degrees are offered at the graduate level in forestry, or jointly with other departments in the university. Graduate majors are available in forest biometrics, ecology, economics, entomology, genetics, management, recreation, silviculture, pathology, physiology, soils and wood science

and forest products. Laboratory, field, and computer research facilities are available. Cooperative graduate programs may be arranged with the Forest Products Laboratory at Madison, the Forest Service Institute of Forest Genetics at Rhinelander—both U.S. Department of Agriculture facilities—or with other public and private forestry agencies. In addition to the university-owned field stations, public and private forest lands are available for research at locations throughout the State. A close working relation is maintained with the Wisconsin Department of Natural Resources in forestry research and management programming. Accredited by the Society of American Foresters.

**COLLEGE OF NATURAL RESOURCES
UNIVERSITY OF WISCONSIN—STEVENS
POINT
STEVENS POINT, WISCONSIN 54481**

Degree: Bachelor of science with majors in forestry, water resources, soil science, resource management, wildlife and fisheries, and environmental education. In addition, a master of science degree is available in natural resources with specialties in all of the aforementioned disciplines. Curricula are designed to prepare students in the total or a specific field of resource management. A U.S. Department of Interior Cooperative Fisheries Unit is on campus. In addition to the on-campus academic program, a 6-week summer camp in northern Wisconsin or a summer program in the Black Forest of Germany is required for all majors. Outdoor laboratories and forest industries are available for study and research within a ten minute drive of the campus. Field seminars to other regions of the United States are available in forestry, soils, and wildlife.

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